

**Notice of Allowability**

Application No.

10/062,484

Examiner

Courtney D. Fields

Applicant(s)

HSIEH ET AL.

Art Unit

2137

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 30 November 2006.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
EMMANUEL L. MOISE  
SUPERVISORY PATENT EXAMINER

### DETAILED ACTION

1. Claims 1 and 9 have been amended.
2. Claims 1-16 are pending.

### *Response to Arguments*

3. Applicant's arguments filed 30 November 2006 have been fully considered and they are persuasive.

### *Allowable Subject Matter*

4. Claims 1-16 are allowed.
5. The following is an examiner's statement of reasons for allowance: The present invention is directed towards a system and method for a single sign-on system for remotely operating an application program via a network. Each independent claim identifies the uniquely distinct features **"updating the sign-on information saved in the single sign-on server by sending a new sign-on information to the single sign-on server after successfully signing on to the application program server"**. The closest prior art, Kao et al. (US Patent No. 6,275,944) discloses a single sign-on (SSO) mechanism to enable a given user to access a target application on a target resource in a distributed computer enterprise. One or more configuration directives each identifying a given logon process and any associated methods required to access the target application on the target resource are stored in a locally accessible database (CIM). For each of a set of users, a globally-accessible database (PKM) stores user-specific and application-specific information enabling the user to access and logon to one or more target resources. However, either singularly or in combination, Kao et al. fail to

anticipate or render the claimed limitation of updating the sign-on information saved in the single sign-on server by sending a new sign-on information to the single sign-on server after successfully signing on to the application program server.

The closest prior art, Bones et al. (Pub No. 2002/0078386) discloses a method, instructions and system is provided for establishing and enforcing change password policy in a single sign on environment. In response to receiving a change instruction identifying a first single sign-on password, the first single sign-on password is changed to create a second single sign-on password. Then a target password is retrieved. The target password is modified in a user selected manner to match the second single sign-on password to create a modified target password. The modified target password is stored. In response to a request from a user requesting access to an application, the modified target password is retrieved and the modified target password is provided to the requested application. However, either singularly or in combination, Bones et al. fail to anticipate or render the claimed limitation of updating the sign-on information saved in the single sign-on server by sending a new sign-on information to the single sign-on server after successfully signing on to the application program server.

The closest prior art, Fang et al. (US Patent No. 6,240,512) discloses a method of sharing a master key across a set of servers operating a single sign-on (SSO) mechanism in a distributed computer network. The master key is useful for encrypting user passwords for storage in a globally-accessible registry. The method begins by establishing in the registry a group identifying which of the servers in the set, if any, have a copy of the master key. At a given server, the method continues by determining

whether a copy of the master key is stored at the given server and whether the group has at least one member. The master key is then generated at the given server if a copy of the key is not stored at the given server and the group does not have at least one member. Other servers in the set pull the master key as needed. However, either singularly or in combination, Fang et al. fail to anticipate or render the claimed limitation of updating the sign-on information saved in the single sign-on server by sending a new sign-on information to the single sign-on server after successfully signing on to the application program server.

The closest prior art, He et al. (US Patent No. 5,944,824) discloses a secured network permits a single sign-on ("SSO") of users to a plurality of network elements. Data structures, procedures and system components that support the SSO functionality in a distributed networked environment are included in the secured network. The SSO functionality can be implemented and integrated into an existing network platform or used as the backbone protocol to new network installations. DCE-based features as well as ERA and EAC can be utilized as the foundation for the implementation. The SSO functionality may be implemented and integrated without requiring significant low level development or major modifications in a network. However, either singularly or in combination, He et al. fail to anticipate or render the claimed limitation of updating the sign-on information saved in the single sign-on server by sending a new sign-on information to the single sign-on server after successfully signing on to the application program server.

Art Unit: 2137

6. Therefore, **claims 1 and 9**, and the respective **dependent claims 2-8 and 10-16** are in condition for allowance.

### ***Conclusion***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Courtney D. Fields whose telephone number is 571-272-3871. The examiner can normally be reached on Mon - Thurs. 6:00 - 4:00 pm; off every Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2137

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



cdf

February 13, 2007